BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work : Improvements to roads and drains at Medarahalli cross roads in Ward No.12 Shettyhalli, Shettyhalli Sub Division.

Est Cost Rs.13.00 Lakhs

Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
KSRRB 300.3 **Earthwork excavation by manual means in ordinary soil** involving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3 **P. No. 142/ II No. 19.1/ PWD SR 2016 17**								
For drain	Cum							
3rd cross medarahally near Church		2	103.00	1.00	1.00	206.00		
4th cross road		2	110.00	1.00	1.00	220.00		
5th cross road		3	95.00	1.00	1.00	190.00		
6th cross road		1	36.00	1.00	1.00	36.00		
For culverts		3	6.50	1.65	1.10	35.39		
Basic Rate	**82.00**					**687.39**	175.96	120954.69
add loading & unloading charges	68.00							
lead for 5 km=5*1.28*2.5	16.00							
Total	166.00							
add AW 6%	9.96							
	175.96							
KSRB 4.1.3 **Providing and laying in position plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.3 **Page No.12/ Item No. 4.3/ PWD SR 2016-17**								
3rd cross medarahally near Church	cum	2	103.00	0.80	0.15	24.72		
4th cross road		2	110.00	0.80	0.15	26.40		
5th cross road		2	95.00	0.80	0.15	22.80		
6th cross road		1	36.00	0.80	0.15	4.32		
For culverts		3	6.50	1.50	0.15	4.39		
Basic Rate	4867.00					**82.63**	5159.02	426277.00
Add A.W 6%	292.02							
Total	**5159.02**							
KSRB 4.2.2 **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ 460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 **,P.13/I.4.11/ PWD SR 2016-17**								
For drain bottom	Cum							

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3rd cross medarahally near Church		2	103.00	0.80	0.15	24.72		
4th cross road		2	110.00	0.80	0.15	26.40		
5th cross road		2	95.00	0.80	0.15	22.80		
6th cross road		1	36.00	0.80	0.15	4.32		
for drain side wall								
3rd cross medarahally near Church		4	103.00	0.15	0.70	43.26		
4th cross road		4	110.00	0.15	0.70	46.20		
5th cross road		4	95.00	0.15	0.70	39.90		
6th cross road		2	36.00	0.15	0.70	7.56		
For culverts bottom		3	6.50	1.50	0.15	4.39		
sides		6	6.50	0.35	0.70	9.56		
for deck slab		3	6.50	1.50	0.23	6.73		
						235.83	6371.66	**1502629.00**
Basic Rate	6011.00							
Add A W 6%	360.66							
Total	**6371.66**							

KSHB 4.6.4 **Providing and removing centering, shuttering**, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications Specification No. KBS 4.6.2 **Page No.15/ Item No. 4.31/ PWD SR 2016-17**

3rd cross medarahally near Church	**sqm**	6	103.00		0.75	463.50		
4th cross road		6	110.00		0.75	495.00		
5th cross road		6	95.00		0.75	427.50		
6th cross road		3	36.00		0.75	81.00		
For culverts		12	6.50		0.75	58.50		
for deck slab		3	6.50	0.60		11.70		
sides		3	15.00		0.30	13.50		
Basic Rate	293.00					**1550.70**	310.58	**481616.00**
Add A W 6%	17.58							
Total	**310.58**							

5 KSHB 4.9.2 **Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications Specification No. KBS 4.6.3, TMT bars **Fe 500 Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17**

for drain	Tonnes		215.16	x	60kgs	12909.60		
for cd's			20.67	x	75 kgs	1550.25		
						14459.85		
Basic Rate	**60607.00**			or say		**14.46**	64243.42	**928950.00**
Add A W 6%	3636.42							
Total	**64243.42**							

6 **Providing & laying reinforeced cement precast slabs** of mix **CC 1:11/2:3** using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications

3rd cross medarahally near Church	Sqm	2	103.00		0.75	154.50		
4th cross road		2	110.00		0.75	165.00		
5th cross road		2	95.00		0.75	142.50		
6th cross road		1	36.00		0.75	27.00		

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Approved Rate of Precast slab	1680.00					489.00	1680.00	821520.00
							Sub Total	4281946.00
Add Tender Primium @ 5 %								214097.00
Miscellaneous and unforeseen charges							L.S	3957.00
							Grand Total	4500000.00

(Rupees Fifty Lakhs Only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. EE/PD/AS/686/17-18 26.12.17
ರೂ. [Rs 45.00 Lakhs]
Rupees Forty five Lakhs
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/DS/401/17-18 ದಿನಾಂಕ : 27/12/2017
ರೂ. Rs. 45.00 Lakhs only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ: ಬೆಂಗಳೂರು.

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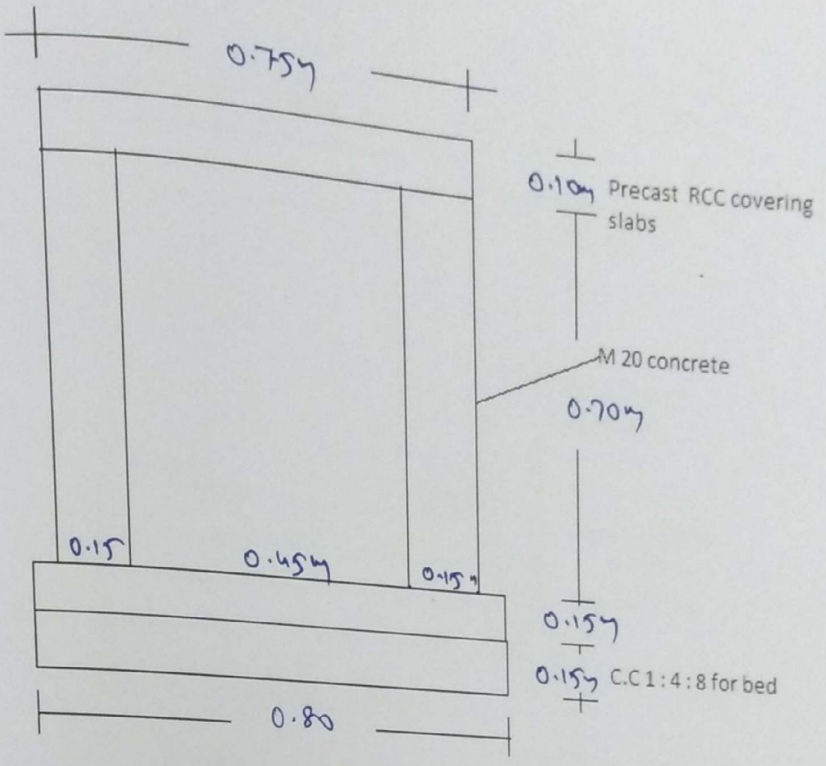
Name of work : Improvements to roads and drains at Medarahalli cross roads in Ward No.12 Shettyhalli, Shettyhalli Sub Division.

Estimated cost : Rs 50.00 Lakhs

POW 2017-18 work



cross section of RCC drain

Assistant Engineer
Ward No 12

Assistant Executive Engineer
Shettyhalli Sub Division

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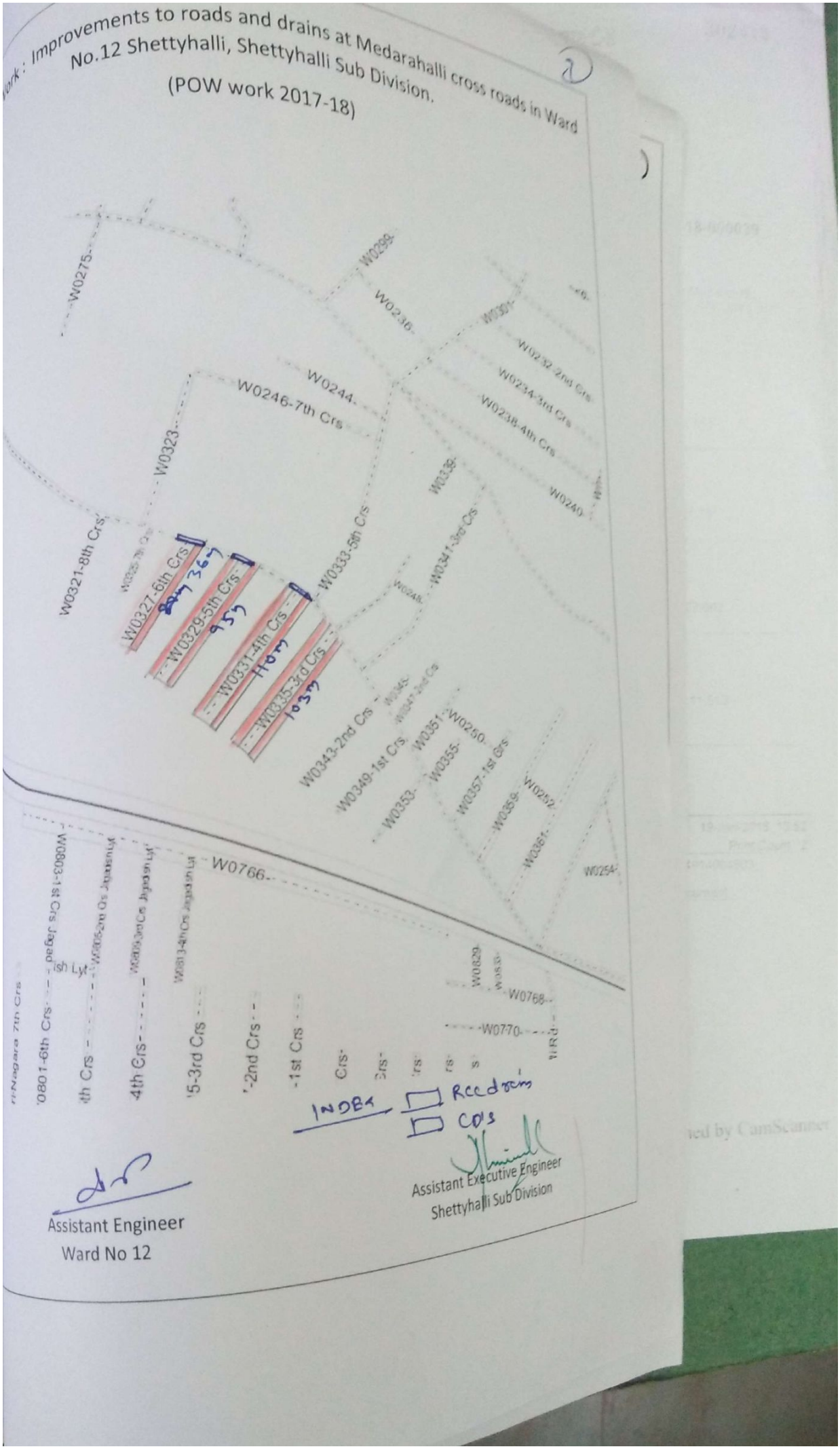

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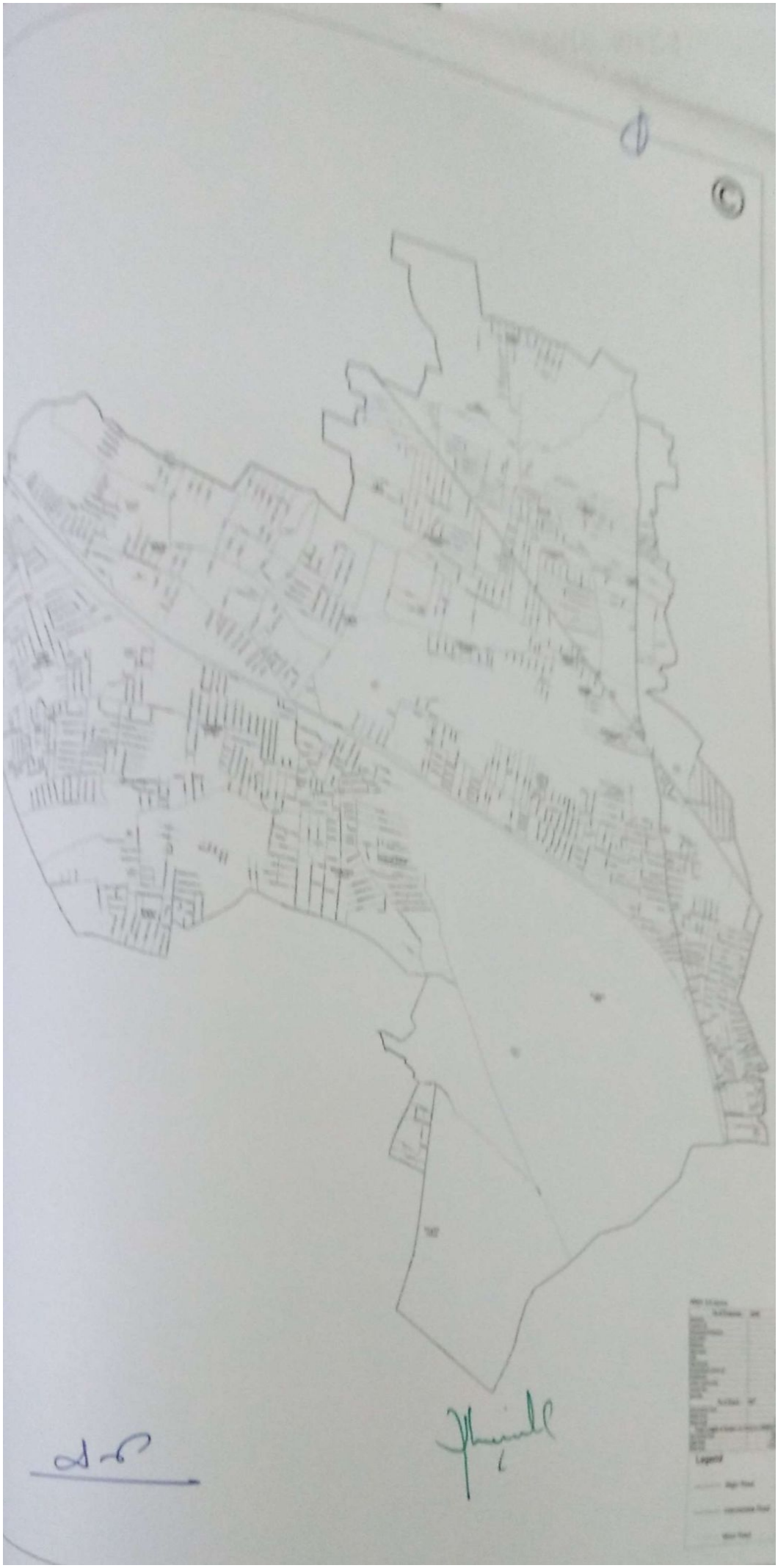

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